

Appl. No. 10/791,440  
Amdt. Dated 03/30/2007  
Reply to Office action of 10/30/2006

**Replacement Drawings:**

Replacement drawings (20 sheets) are attached herewith.

## **REMARKS/ARGUMENTS**

### **Drawings**

#### **Replacement Drawings**

The drawings are objected to because they include computer screen shots, which appear like black and white photographs. 20 sheets of replacement formal drawings are attached herewith. No new matter has been entered.

#### **Claims**

Claims 1-75 are pending in the application. Claims 1-9, 11-13, 16-17, 19, 20-22, 26-32, 33-38, 39-41, 42-58, 61-64, 66-67 and 69-75 stand rejected on prior art grounds. Claims 10, 15, 18, 23-25, 59-60, 65 and 68 are objected to as being dependent upon a rejected base claim, but would be allowable if written in independent form including all of the limitations of the base claim and any intervening claims. The applicants have amended claims 1, 42 and 47 in order to overcome the rejections. The applicants have canceled claims 15 and 65. Please enter amended claims 1, 42 and 47.

### **Claim Rejections – 35 USC 102**

Claims 1-9, 11-13, 16-17, 19, 33-38, 42-58, 61-64, 66-67 and 69-75 are rejected under 35 USC 102(e) as being anticipated by Doyle et al. (5,879,158).

Regarding claim 1, the applicants have amended the claim by incorporating allowable matter from claim 15, namely, *(f) displaying said virtual teeth in said virtual model in the form of a virtual two-dimensional (2D) panorax model with axial inclination for each tooth, enabling said practitioner in modifying said placement of said virtual appliances, simulating its overall treatment effectiveness on said patient, and when a desired placement is achieved wrapping said virtual 2D panorax model in three-dimensional (3D) view.* In view of the amendment, the applicants respectfully request that the anticipation rejection under 35 U.S.C. 102(e) of claim 1 should be withdrawn.

Regarding claims 2-9, 11-13, 16-17, 19, 33-38, each of these claims depends from independent claim 1. In view of the remarks presented above in support of withdrawal of the anticipation rejection of claim 1 under U.S.C. 102(e), the applicants respectfully submit that the Examiner's grounds for rejection of these claims under U.S.C. 102(e) are moot, and request that the anticipation rejection of claims 2-9, 11-13, 16-17, 19, 33-38 under U.S.C. 102(e) should also be withdrawn.

Regarding claim 15, the applicants have canceled this claim.

Regarding claim 42, the applicants have amended the claim by incorporating allowable matter similar to claim 15, namely, *displaying said virtual teeth in said virtual model in the form of a virtual two-dimensional (2D) panorax model with axial inclination for each tooth, enabling said practitioner in modifying said placement of said virtual appliances, simulating its overall treatment effectiveness on said patient, and when a desired placement is achieved wrapping said virtual 2D panorax model in three-dimensional (3D) view.* In view of the amendment, the applicants respectfully request that the anticipation rejection under 35 U.S.C. 102(e) of claim 42 should be withdrawn.

Regarding claims 43-46, each of these claims depends from independent claim 42. In view of the remarks presented above in support of withdrawal of the anticipation rejection of claim 42 under U.S.C. 102(e), the applicants respectfully submit that the Examiner's grounds for rejection of these claims under U.S.C. 102(e) are moot, and request that the anticipation rejection of claims 43-46 under U.S.C. 102(e) should also be withdrawn.

Regarding claim 47, the applicants have amended the claim by incorporating allowable matter from claim 65, namely, *wherein the navigation tools further comprise tools enabling the user in displaying the teeth in the virtual model in the form of a two-dimensional (2D) panorax showing axial inclination for each tooth, in modifying the placement of appliances, simulating its overall treatment effectiveness on the patient, and*

*when a desired placement is achieved, in wrapping the virtual 2D model in three-dimensional (3D) view.* In view of the amendment, the applicants respectfully request that the anticipation rejection under 35 U.S.C. 102(e) of claim 47 should be withdrawn.

Regarding claims 48-58, 61-64, 66-67 and 69-75, each of these claims depends, either directly or through one or more intervening claims, from independent claim 47. In view of the remarks presented above in support of withdrawal of the anticipation rejection of claim 47 under U.S.C. 102(e), the applicants respectfully submit that the Examiner's grounds for rejection of these claims under U.S.C. 102(e) are moot, and request that the anticipation rejection of claims 48-58, 61-64, 66-67 and 69-75 under U.S.C. 102(e) should also be withdrawn.

Regarding claim 65, the applicants have canceled this claim.

#### **Claim Rejections – 35 USC 103**

Claims 20-22 and 26-32 are rejected under 35 USC 103(a) as being unpatentable over Doyle et al. (5,879,158).

Regarding claims 20-22 and 26-32, each of these claims depends, through an intervening claim, from independent claim 1. In view of the remarks presented above in support of withdrawal of the anticipation rejection of claim 1 under U.S.C. 102(e), the applicants respectfully submit that the Examiner's grounds for rejection of these claims under U.S.C. 103(a) are moot, and request that the anticipation rejection of claims 20-22 and 26-32 under U.S.C. 103(a) should also be withdrawn.

Claims 39-41 are rejected under 35 USC 103(a) as being unpatentable over Doyle et al. (5,879,158).

Regarding claims 39-41, each of these claims depends, through an intervening claim, from independent claim 1. In view of the remarks presented above in support of withdrawal of the anticipation rejection of claim 1 under U.S.C. 102(e), the applicants



Respectfully submit that the Examiner's grounds for rejection of these claims under U.S.C. 103(a) are moot, and request that the anticipation rejection of claims 39-41 under U.S.C. 103(a) should also be withdrawn.

Favorable consideration of the amendment and allowance of all claims is requested.

Respectfully submitted.

Date: 30 Mar 2007

By: Jasvantrai C. Shah

Jasvantrai C. Shah  
Reg. No. 39,444

#### CERTIFICATE OF MAILING

The undersigned hereby certifies that the foregoing AMENDMENT is being deposited as first class mail, postage prepaid, in an envelope addressed to: Mail Stop Fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450, on this 30<sup>th</sup> day of March, 2007.

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